

Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office					Atty. Docket No. P23684	Serial No. 10/646,711		
		INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)					Applicant Hiroshi NOMURA	O I P E MAY 04 2004 U.S. PATENT & TRADEMARK OFFICE		
							Filing Date August 25, 2003	Group 2872		
U.S. PATENT DOCUMENTS										
EXAMINER INITIAL		DOCUMENT NUMBER				DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		2004	/0	0	4	2	0 9 5	03/04/04	NOMURA	
		2004	/0	0	4	2	0 9 3	03/04/04	NOMURA	
		2004	/0	0	6	2	5 3 6	04/01/04	NOMURA	
		2004	/0	0	5	1	9 6 8	03/18/04	NOMURA	
		2004	/0	0	5	1	9 7 0	03/18/04	NOMURA	
		2004	/0	0	6	2	5 3 7	04/01/04	NOMURA	
		2004	/0	0	5	1	9 7 2	03/18/04	NOMURA	
		2004	/0	0	4	2	0 9 1	03/04/04	NOMURA	
		2004	/0	0	4	2	0 8 9	03/04/04	NOMURA	
		2004	/0	0	5	1	9 7 1	03/18/04	NOMURA	
		2004	/0	0	4	2	7 7 7	03/04/04	NOMURA	
		2004	/0	0	4	2	7 7 8	03/04/04	NOMURA	
		2004	/0	0	5	1	9 6 9	03/18/04	NOMURA	
		2004	/0	0	5	1	9 6 7	03/18/04	NOMURA	
		2004	/0	0	4	2	7 7 5	03/04/04	NOMURA	
		2004	/0	0	4	2	0 9 6	03/04/04	NOMURA	
		2004	/0	0	4	2	0 9 0	03/04/04	NOMURA	
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		2004	/0	0	5	1	9 8 1	03/18/04	NOMURA	
		2004	/0	0	4	2	0 9 2	03/04/04	NOMURA	
			6	3	6	6	3 2 3	04/02/02	SHONO	
			6	1	1	5	1 9 0	09/05/00	HIRAI	
			6	0	6	4	5 3 3	05/16/00	KENIN et al.	
			2003	/0	0	8	1 3 2 5	05/01/03	NOMURA et al.	
			2001	/0	0	2	4 5 7 3	09/27/01	NOMURA et al.	
			2002	/0	1	3	5 9 0 0	09/26/02	NOMURA et al.	
				6	0	7	5 6 5 5	06/13/00	FUNAHASHI	
EXAMINER <u>D. Gray</u>							DATE CONSIDERED <u>8/17/2004</u>			
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EXAMINER INITIAL		DOCUMENT NUMBER			DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
FOREIGN PATENT DOCUMENTS									
		DOCUMENT NUMBER			DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
		58	- 1 0	7 0 8	01/21/83	JAPAN			
		2	3 4 4	6 6 1	06/14/00	UNITED KINGDOM			
		2	2 6 2	3 5 6	06/16/93	UNITED KINGDOM			
	2003	-	2 0 7	7 0 9	07/25/03	JAPAN			
		2	3 0 9	5 5 1	07/30/97	UNITED KINGDOM			
		2	3 4 4	6 6 2	06/14/00	UNITED KINGDOM			
		2	2 6 1	2 9 8	05/12/93	UNITED KINGDOM			
	2002	-	2 7 7	7 1 9	09/25/02	JAPAN			
	10	-	2 8 2	3 9 4	10/23/98	JAPAN			
		58	- 1 6 2	9 1 4	09/27/83	JAPAN			
		0	6 3 4	6 8 0	01/18/95	E.P.O.			
		10	- 3 2	7 4 0	02/03/98	JAPAN			X
		7	- 2 8 8	7 2 4	10/31/95	JAPAN			X
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)									
		1	English Language Abstract of JP 58-10708.						
		2	English Language Abstract of JP 2003-207709.						
		3	English Language Abstract of JP 2002-277719.						
		4	English Language Abstract of JP 10-282394.						
		5	English Language Abstract of JP 58-162914.						
EXAMINER <u>D. Gray</u>			DATE CONSIDERED <u>8/17/2004</u>						
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U.S. PATENT DOCUMENTS

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	4	5	2	5	0	0 5 0	06/25/85	OHASHI		
	4	6	4	3	5	5 5 5	02/17/87	WAKABAYASHI		
	4	7	2	1	9	7 2	01/26/88	WAKABAYASHI		
	4	7	9	2	8	2 2	12/20/88	AKIYAMA et al.		
	5	8	1	8	6	4 7	10/06/98	NISHIO et al.		
	6	0	3	1	9	9 8	02/29/00	SHONO		
	4	4	5	1	1	2 9	05/29/84	IKARI et al.		
	4	6	4	3	5	5 4	02/17/87	OGAWA		
	4	7	7	1	3	0 3	09/13/88	MATSUMOTO et al.		
	4	8	8	7	1	0 7	12/12/89	NAKAMURA et al.		
	5	1	3	6	3	2 4	08/04/92	TSUBOI et al.		
	5	7	6	5	0	4 9	06/09/98	HASE et al.		
	5	8	3	2	3	2 6	11/03/98	TANAKA		
	6	3	6	6	3	2 3	04/02/02	SHONO		

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	5	8	1	4	5	9 3 0	08/31/83	JAPAN		
	6	1	-	6	9	0 0 2	04/09/86	JAPAN		
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	6	4	-	3	4	6 2 3	03/02/89	JAPAN		X
	6	-	1	8	7	7 7	01/28/94	JAPAN		X
	7	-	1	9	1	2 4 9	07/28/95	JAPAN		
	1	1	1	0	9	2 0 3	04/23/99	JAPAN		

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D. Gray

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8/17/2004

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